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P. Devanbu, M. Gertz, A. Kwong, C. Martel, G. Nuckolls, S. G. Stubblebine  
November 2001 CCS '01: Proceedings of the 8th ACM conference on  
Computer and Communications Security

Publisher: ACM

Full text available: [pdf\(219.17 KB\)](#)
 Additional Information: [full citation](#), [abstract](#),  
[references](#), [cited by](#), [index terms](#)

XML is increasingly becoming the format of choice for information exchange, in critical areas such as government, finance, healthcare and law, where integrity is of the essence. As this trend grows, one can expect that documents (or collections thereof) ...

2 [Event-driven response architecture for event-based computing](#)

Vijay Dheap, Paul A. S. Ward

October 2005 CASCON '05: Proceedings of the 2005 conference of the  
Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: [pdf\(112.71 KB\)](#)
 Additional Information: [full citation](#), [abstract](#),  
[references](#), [index terms](#)

Service-based computing is rapidly replacing the more-traditional approaches to architecting distributed systems. The critical advantage of service-based architectures is that they require only a specification of protocol, and not of API. As such, they ...

Keywords: event-driven systems, service-oriented architecture, web services

3 [Set-at-a-time access to XML through DOM](#)

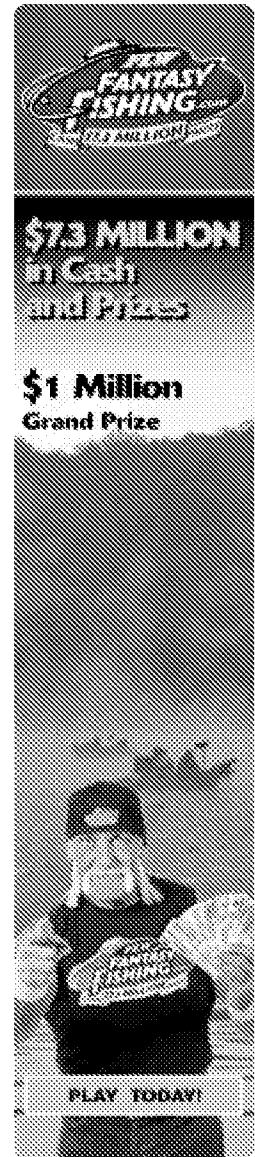
Hai Chen, Frank Wm. Tompa

November 2003 DocEng '03: Proceedings of the 2003 ACM symposium on  
Document engineering

Publisher: ACM

Full text available: [pdf\(271.18 KB\)](#)
 Additional Information: [full citation](#), [abstract](#),  
[references](#), [index terms](#)

To support the rapid growth of the web and e-commerce, W3C developed DOM as an application programming interface that provides the abstract, logical tree structure of an XML document. In this paper, we propose ordered-set-at-a-time extensions for DOM ...


 FantasyFishing.com  
Ads by Google


Keywords: DOM, XML, application program interface, navigation, set-at-a-time

4 [Stimulating interest in practical e-commerce programming using barcodes, Amazon web services, Java, and XML](#)

Robin M. Snyder

January 2007 Journal of Computing Sciences in Colleges, Volume 22 Issue 3

Publisher: Consortium for Computing Sciences in Colleges

Full text available:  [pdf\(247.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


This paper takes the reader through the process of using barcodes in a practical setting involving ISBN lookup of book information using Amazon Web Services. Java and XML processing are used for the examples. While the implementation is fairly specific, ...

5 [A programming environment for demand-driven processing of network XML data and its performance evaluation](#)

Masakazu Yamanaka, Kenji Niimura, Tomio Kamada

November 2005 DocEng '05: Proceedings of the 2005 ACM symposium on Document engineering

Publisher: ACM

Full text available:  [pdf\(417.15 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper proposes a programming environment for Java that processes network XML data in a demand-driven manner to return quick initial responses. Our system provides a data binding tool and a tree operation package, and the programmer can easily ...

Keywords: XML, data binding, demand-driven, multi-threading

6 [Design principles for public safety response mobilization](#)

Jane Fedorowicz, M. Lynne Markus, Steve Sawyer, Michael Tyworth, Christine B. Williams

May 2006 dg.o '06: Proceedings of the 2006 international conference on Digital government research

Publisher: ACM

Full text available:  [pdf\(209.00 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we identify key characteristics of public safety response mobilization systems (PSRMS) and describe the different technical characteristics they can assume: open standards vs. commercial-off-the-shelf packages, fixed vs. mobile, security ...


Keywords: collaboration, criminal justice, design features, first responder support, interorganizational systems, public safety response

7 [Storing and querying XML data using denormalized relational databases](#)

Andrey Balmin, Yannis Papakonstantinou

March 2005 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 14 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available:  [pdf\(397.97 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

XML database systems emerge as a result of the acceptance of the XML data model. Recent works have followed the promising approach of building XML database management systems on underlying RDBMS's. Achieving query processing performance reduces ...

8 [Proceedings of the 2002 ACM workshop on XML security](#)



Michiharu Kudo

November 2002 proceeding

Publisher: ACM

Additional Information: [full citation](#), [abstract](#), [review](#)

These proceedings contain the papers selected for presentation at the ACM Workshop on XML Security, held in conjunction with the 9th ACM Computer and Communications Security Conference, November 22, 2002, in Washington, DC (USA). In response to the call ...

9 [A sensor-based, web service-enabled, emergency medical response system](#)

Nada Hashmi, Dan Myung, Mark Gaynor, Steve Moulton

June 2005 EESR '05: Proceedings of the 2005 workshop on End-to-end, sense-and-respond systems, applications and services

Publisher: USENIX Association

Full text available: [pdf\(238.94 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Recent advances in low power wireless sensor networks are enabling new and exciting applications for wireless devices. At the same time, the power and flexibility of web services is expanding the power of the internet. Herein, we describe a scalable ...

10 [Automatically generating refactorings to support API evolution](#)



Jeff H. Perkins

January 2006 ACM SIGSOFT Software Engineering Notes, Volume 31 Issue 1

Publisher: ACM

Full text available: [pdf\(68.44 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

When library APIs change, client code should change in response, in order to avoid erroneous behavior, compilation failures, or warnings. Previous research has introduced techniques for generating such client refactorings. This paper improves on the ...

11 [A performance evaluation of storing XML data in relational database management systems](#)



Latifur Khan, Yan Rao

November 2001 WIDM '01: Proceedings of the 3rd international workshop on Web information and data management

Publisher: ACM

Full text available: [pdf\(104.45 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

XML is an emerging standard for the representation and exchange of Internet data. Along with document type definition (DTD), XML permits the execution of a collection of queries, using XPath to identify data in

XML documents. In this paper we examine ...

Keyw ords: DTD, SQL, XML, XPath, relational DBMS

## 12 [Authenticating distributed data using Web services and XML](#)



[signatures](#)

Daniel J. Polivy, Roberto Tamassia

November 2002 XMLSEC '02: Proceedings of the 2002 ACM workshop on XML security

Publisher: ACM

Full text available: [pdf\(164.09 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As the need for digital data becomes more ubiquitous, so does the need to provide efficient mechanisms for distributing and verifying the authenticity of that data. We present an architecture for authenticating responses to queries from untrusted mirrors ...

Keyw ords: Web services, XML, authentication, digital signatures

## 13 [XML parsing: a threat to database performance](#)



Matthias Nicola, Jasmi John

November 2003 CI KM '03: Proceedings of the twelfth international conference on Information and knowledge management

Publisher: ACM

Full text available: [pdf\(210.86 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

XML parsing is generally known to have poor performance characteristics relative to transactional database processing. Yet, its potentially fatal impact on overall database performance is being underestimated. We report real-world database applications ...

Keyw ords: DOM, SAX, XML, database, parser, performance, validation

## 14 [Automatically generating refactorings to support API evolution](#)



Jeff H. Perkins

September 2005 PASTE '05: Proceedings of the 6th ACM SIGPLAN-SIGSOFT workshop on Program analysis for software tools and engineering

Publisher: ACM

Full text available: [pdf\(68.44 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

When library APIs change, client code should change in response, in order to avoid erroneous behavior, compilation failures, or warnings. Previous research has introduced techniques for generating such client refactorings. This paper improves on the ...

## 15 [Distributed XML-based network management using JPVM](#)

Shaik Sirajuddin, Mohammed H. Sqalli

July 2006 International Journal of Network Management, Volume 16 Issue 4

Publisher: John Wiley & Sons, Inc.

Full text available: [pdf\(727.08 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The proliferation of the Internet and related applications has led to an increasing need for a more efficient and scalable network management framework. As the size of networks increases, more challenges are presented to network managers. One of these ...

16 [Second generation web services-oriented architecture in production in the finance industry](#)



Olaf Zimmermann, Sven Milinski, Michael Craes, Frank Oellermann  
October 2004 OOPSLA '04: Companion to the 19th annual ACM SIGPLAN conference on Object-oriented programming systems, languages, and applications

Publisher: ACM

Full text available: [pdf\(303.79 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Effective and affordable business process integration is a key concern in the finance industry. A large German joint-use centre, supplying services to 237 individual savings banks, enhanced the integration capabilities of its core banking system, consisting ...

Keyw ords: CICS, HTTP, SOAP, UDDI, WSDL, XML, XML schema, application server, business process, compression, core banking, enterprise application integration, service-oriented architecture, software architecture, web application, web services, webSphere

17 [BioPortal: an integrated infectious disease information sharing and analysis environment](#)

Daniel Zeng, Hsinchun Chen, Chunju Tseng, Catherine A. Larson, Millicent Eidson, Ivan Gotham, Cecil Lynch, Michael Ascher  
May 2005 dg.o2005: Proceedings of the 2005 national conference on Digital government research

Publisher: Digital Government Research Center

Full text available: [pdf\(152.47 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

We present the BioPortal system, an integrated cross-jurisdictional data sharing and analysis environment to facilitate detection, prevention, and management of infectious disease outbreaks.

Keyw ords: bioterrorism response, infectious disease, public health

18 [XRel: a path-based approach to storage and retrieval of XML documents using relational databases](#)



August 2001 ACM Transactions on Internet Technology (TOIT), Volume 1 Issue 1

Publisher: ACM

Full text available: [pdf\(264.27 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

This article describes XRel, a novel approach for storage and retrieval of XML documents using relational databases. In this approach, an XML document is decomposed into nodes on the basis of its tree structure and stored in relational tables according ...

Keyw ords: XML query, XPath, text markup, text tagging

19 [Breakthrough ideas](#)

James O. Coplien, Brian Foote, Richard P. Gabriel, Dave Thomas, Cristina Lopes, Brian Marick, Bonnie Nardi, Rob Tow, Andrew Hunt, Glenn Vanderburg

October 2005 OOPSLA '05: Companion to the 20th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications

Publisher: ACM

Full text available: [pdf\(1.27 MB\)](#) [mov\(91:15 MIN\)](#) Additional Information: [full citation](#), [cited by](#), [index terms](#)

Keyw ord s: abstraction, agency, architecture, bayesian inference, communication, culture, design, education, expert systems, fuzzy sets, intention, literary criticism, objects, poetry, postmodernism, programmers, programming, programming language design, reader response criticism, software development

20 [ACP: an interactive classroom response system for active learning environment](#)

Abderrahmane Lakas, Khaled Shuaib, Mohammed Boulmalf

July 2006 I WCMC '06: Proceedings of the 2006 international conference on Wireless communications and mobile computing

Publisher: ACM

Full text available: [pdf\(267.12 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

E-learning is an emerging approach to education reflected in new learning techniques such as active and cooperative learning. Supporting communication technologies such as web-based tools, mobile devises and smart classroom used for interactive learning ...

Keyw ord s: WLAN, active assessment, classroom response system

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